

# WEST Search History

DATE: Tuesday, September 30, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
L17	L15 and l6	3	L17
L16	L15[ti,ab]	1	L16
L15	((task\$ or process or application\$) near4 list\$) same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$) or handheld or (hand held) or palm\$ or laptop or (lap top) or cellular)	70	L15
L14	(task\$ or process or application\$) same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$) or handheld or (hand held) or palm\$ or laptop or (lap top) or cellular)	3248	L14
L13	l3[ti,ab]	5	L13
L12	L11 and l6	5	L12
L11	l8[ti,ab]	15	L11
L10	L9 and l6	0	L10
L9	L8 same list\$	33	L9
L8	task\$ same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$))	322	L8
L7	l4 and l6	5	L7
L6	L5 or ((709/100 )!.CCLS. )	3130	L6
L5	(709/227 OR 709/229 OR 709/237 OR 709/230).CCLS.	2530	L5
L4	l3 same (software or program\$ or code)	46	L4
L3	(task near4 list\$) same server\$	120	L3
L2	(task near4 list\$) same (thin client) same server	0	L2
L1	(6012088 or 6247048)[pn]	2	L1

END OF SEARCH HISTORY

**WEST****End of Result Set**

Generate Collection

Print

L16: Entry 1 of 1

File: USPT

Apr 22, 2003

DOCUMENT-IDENTIFIER: US 6553375 B1

TITLE: Method and apparatus for server based handheld application and database management

Abstract Text (1):

The present invention is a novel management system for selectively distributing applications and databases from a server computer to a plurality of intermittently connected handheld devices. The applications and databases to be downloaded and deleted are first selected from an application list maintained by handheld devices. After established a connection with the server computer, the application list of selected applications is copied to the server computer which maintains an access control list indicating which applications are permitted to be downloaded to which handheld devices. The server computer examines the application list and the access control list to determine which applications are both selected and are authorized for use by the handheld device. After determining that requested applications are authorized for requesting devices, these applications are downloaded. If the connected handheld device does not have that the application list, the application list is created for it and downloaded.

# WEST Search History

DATE: Tuesday, September 30, 2003

## Set Name Query side by side

## Hit Count Set Name result set

*DB=USPT; PLUR=YES; OP=ADJ*

L12	L11 and l6	5	L12
L11	l8[ti,ab]	15	L11
L10	L9 and l6	0	L10
L9	L8 same list\$	33	L9
L8	task\$ same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$))	322	L8
L7	l4 and l6	5	L7
L6	L5 or ((709/100 )!.CCLS. )	3130	L6
L5	(709/227 OR 709/229 OR 709/237 OR 709/230).CCLS.	2530	L5
L4	l3 same (software or program\$ or code)	46	L4
L3	(task near4 list\$) same server\$	120	L3
L2	(task near4 list\$) same (thin client) same server	0	L2
L1	(6012088 or 6247048)[pn]	2	L1

END OF SEARCH HISTORY

**WEST**

Generate Collection

Print

L12: Entry 1 of 5

File: USPT

Apr 8, 2003

DOCUMENT-IDENTIFIER: US 6546425 B1

TITLE: Method and apparatus for providing mobile and other intermittent connectivity in a computing environment

Abstract Text (1):

A seamless solution transparently addresses the characteristics of nomadic systems, and enables existing network applications to run reliably in mobile environments. The solution extends the enterprise network, letting network managers provide mobile users with easy access to the same applications as stationary users without sacrificing reliability or centralized management. The solution combines advantages of existing wire-line network standards with emerging mobile standards to create a solution that works with existing network applications. A Mobility Management Server coupled to the mobile network maintains the state of each of any number of Mobile End Systems and handles the complex session management required to maintain persistent connections to the network and to other peer processes. If a Mobile End System becomes unreachable, suspends, or changes network address (e.g., due to roaming from one network interconnect to another), the Mobility Management Server maintains the connection to the associated peer task--allowing the Mobile End System to maintain a continuous connection even though it may temporarily lose contact with its network medium. In one example, Mobility Management Server communicates with Mobile End Systems using Remote Procedure Call and Internet Mobility Protocols.

Current US Original Classification (1):709/227

**WEST**

Generate Collection

Print

L12: Entry 2 of 5

File: USPT

Feb 4, 2003

DOCUMENT-IDENTIFIER: US 6516316 B1

TITLE: Centralized certificate management system for two-way interactive communication devices in data networks

Abstract Text (1):

The present invention discloses a centralized certificate management system for thin client devices in data networks and has particular applications to systems having a large number of the thin clients serviced by a proxy server through which the thin clients communicate with a plurality of secure server computers over a data network. According to one aspect, the present invention comprises a certificate management module that causes the server device to manage digital certificates for each of the thin client devices. To minimize the latency of obtaining certificates for each of the thin client devices, the certificate management module reserves a fixed number of free certificates signed by a certificate authority and their respective private keys in a certificate database and frequently updates the free certificate according to a certificate updating message. Whenever a user account is created for a thin client device, the certificate management module fetches one or more free certificates from the certificate database and associate the fetched certificates to the created account and meanwhile the certificate management module creates new free certificates with the certificate authority to fill in the certificate database. Apart from the tradition of obtaining certificates locally in client devices that normally have sufficient computing power, the present invention uses the computing resources in a server device to carry out the task of obtaining and maintaining certificates asynchronously in the proxy server and further. These and other features in the present invention dramatically minimize the demands for computing power and memory in thin client devices like mobile devices, cellular phones, landline telephones or Internet appliance controllers.

Current US Cross Reference Classification (6):709/229

**WEST**

Generate Collection

Print

L12: Entry 3 of 5

File: USPT

Jun 12, 2001

DOCUMENT-IDENTIFIER: US 6247048 B1

TITLE: Method and apparatus for transcoding character sets between internet hosts and thin client devices over data networks

Abstract Text (1):

The present invention discloses a system for transcoding character sets between Internet hosts and thin client devices over data networks. A proxy server is provided as an intermediary between the Internet hosts and the thin client devices, and is informed when a specific character set is preferred by the client device. The client character set preference is communicated to the proxy server prior to the client receiving information from an Internet host. When a communication session is established between one of the Internet hosts and one of the thin client devices, the proxy server performs the character set transcoding if the character sets of the Internet host and the client device are not the same. Apart from any existing techniques, the proxy server handles the task of character set transcoding so as to alleviate the mobile computing devices from performing the transcoding locally.

Current US Cross Reference Classification (3):709/227Current US Cross Reference Classification (5):709/230

**WEST****End of Result Set**

Generate Collection

Print

L12: Entry 5 of 5

File: USPT

Aug 13, 1996

DOCUMENT-IDENTIFIER: US 5546538 A

\*\* See image for Certificate of Correction \*\*

TITLE: System for processing handwriting written by user of portable computer by server or processing by the computer when the computer no longer communicate with server

Abstract Text (1):

A computer arrangement that offloads computationally intensive tasks from portable computer devices to larger servers is disclosed. A portable computer device that relies on handwriting or speech for input is equipped with a wireless communication subsystem. When a user writes on the display or speaks into the portable computer device, the central processing unit passes the handwriting or speech information to the wireless communication subsystem. While the user is still inputting information, the wireless communication subsystem transmits received information to a communication server. The communication server routes the handwriting or speech information to a server that performs handwriting or speech recognition to translate the information into encoded text. The communication server then transmits the encoded text information back to the portable computer device.

Current US Cross Reference Classification (2):709/227

# WEST Search History

DATE: Tuesday, September 30, 2003

## Set Name Query side by side

## Hit Count Set Name result set

*DB=EPAB,DWPI; PLUR=YES; OP=ADJ*

L18	((task\$ or process or application\$) near4 list\$) same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$) or handheld or (hand held) or palm\$ or laptop or (lap top) or cellular)	12	L18
-----	--	----	-----

*DB=USPT; PLUR=YES; OP=ADJ*

L17	L15 and l6	3	L17
-----	------------	---	-----

L16	L15[ti,ab]	1	L16
-----	------------	---	-----

L15	((task\$ or process or application\$) near4 list\$) same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$) or handheld or (hand held) or palm\$ or laptop or (lap top) or cellular)	70	L15
-----	--	----	-----

L14	(task\$ or process or application\$) same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$) or handheld or (hand held) or palm\$ or laptop or (lap top) or cellular)	3248	L14
-----	---	------	-----

L13	l3[ti,ab]	5	L13
-----	-----------	---	-----

L12	L11 and l6	5	L12
-----	------------	---	-----

L11	l8[ti,ab]	15	L11
-----	-----------	----	-----

L10	L9 and l6	0	L10
-----	-----------	---	-----

L9	L8 same list\$	33	L9
----	----------------	----	----

L8	task\$ same server\$ same (mobil\$ or (thin client) or thinclient or portab\$ or wireless\$ or (wire less\$))	322	L8
----	---	-----	----

L7	l4 and l6	5	L7
----	-----------	---	----

L6	L5 or ((709/100 )!.CCLS. )	3130	L6
----	----------------------------	------	----

L5	(709/227 OR 709/229 OR 709/237 OR 709/230).CCLS.	2530	L5
----	--	------	----

L4	l3 same (software or program\$ or code)	46	L4
----	---	----	----

L3	(task near4 list\$) same server\$	120	L3
----	-----------------------------------	-----	----

L2	(task near4 list\$) same (thin client) same server	0	L2
----	--	---	----

L1	(6012088 or 6247048)[pn]	2	L1
----	--------------------------	---	----

END OF SEARCH HISTORY



**(19) World Intellectual Property Organization  
International Bureau**



**(43) International Publication Date**  
**24 January 2002 (24.01.2002)**

**PCT**

**(10) International Publication Number**  
**WO 02/06963 A1**

**(51) International Patent Classification<sup>7</sup>:** **G06F 13/00**

**(21) International Application Number:** PCT/US01/22824

**(22) International Filing Date:** 19 July 2001 (19.07.2001)

**(25) Filing Language:** English

(26) Publication Language: English

**(30) Priority Data:**  
09/618,956 19 July 2000 (19.07.2000) US

**(71) Applicant:** FUSIONONE, INC. [US/US]; 55 Almaden Boulevard, Suite 800, San Jose, CA 95113 (US).

**(72) Inventors:** TU, Edgar, Allan; 6881 Sunnyslope Avenue, Castro Valley, CA 94552 (US). PANG, Eric; 288 South Bernardo Avenue, Sunnyvale, CA 94086 (US).

(74) **Agent:** VIERRA, Larry, E.; Vierra Magen Marcus Harmon & DeNiro LLP, Suite 540, 685 Market Street, San Francisco, CA 94105-4206 (US).

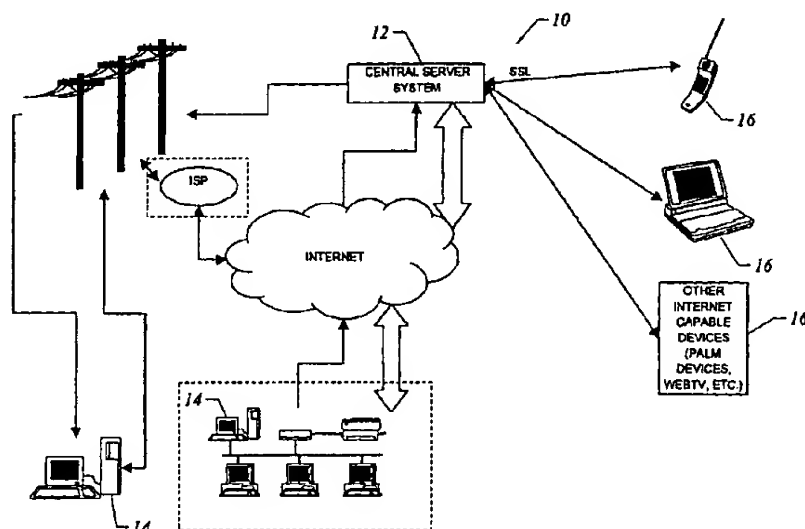
**(81) Designated State (national):** JP.

(84) **Designated States (regional):** European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

**Published:**  
— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(54) Title:** REMOTE ACCESS COMMUNICATION ARCHITECTURE APPARATUS AND METHOD



**(57) Abstract:** Disclosed herein is a system and method for communicating data from a base computer (14) to a remote device (16) via central server system (12) without the necessity of specialty software on the remote device (16). Remote devices (16) such as laptop computers and cellular telephones communicate with the central server system (12), while the central server system (12) likewise communicates with base computers (14). Communications between the central server system (12) and the base computers are facilitated by an intermittent query from base computers to the central server system in a manner which allows communications even in a firewall-contained environment. The system and method provides a means for facilitating both persistent connections and dialup communications between the base computers and the central server system.

**WO 02/06963 A1**

## INTERNATIONAL SEARCH REPORT

International application No. .  
PCT/US01/22824

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) :G06F 13/00

US CL :709/203, 100, 200

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 709/203, 100, 200

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST: USPT

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,012,088 A (LI et al.) 04 January 2000; Abstract; Figs. 4,8,11A	1-15
A,P	US 6,247,048 B1 (GREER et al.) 12 June 2001	

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

30 SEPTEMBER 2001

Date of mailing of the international search report

30 OCT 2001

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

KENNETH R. GULTER

Telephone No. (703) 305-8447

**WEST**

Generate Collection

Print

L18: Entry 7 of 12

File: DWPI

Jan 24, 2002

DERWENT-ACC-NO: 2002-339173

DERWENT-WEEK: 200237

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Method of accessing a central computer from Internet enabled remote devices which do not include remote access software by providing a central server which communicates with the remote devices

Basic Abstract Text (1):

NOVELTY - Remote devices such as laptops and cellular telephones communicate with a central server system and the central server system communicates with the central computer. The central server system sends a task list to a remote device whose user selects a task. The task is sent from the central server to the central computer and task data is sent back to the central server which compiles a task response which is sent to the remote device. Communications between the central server system and the central computer are facilitated by intermittent queries from the central computer which set up a persistent connection and allow communications even when these are constrained by firewalls.

**WEST****End of Result Set**

Generate Collection

Print

L18: Entry 12 of 12

File: DWPI

Sep 17, 1999

DERWENT-ACC-NO: 1999-575741

DERWENT-WEEK: 200211

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Network computer system used for implementation of network computer of mobile application - uses synchronous processor of network computer for mobile application to perform synchronous process of predetermined resource between server computer and local memory device

INVENTOR: ABE, M

PATENT-ASSIGNEE: TOSHIBA KK (TOKE)

PRIORITY-DATA: 1998JP-0047288 (February 27, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11249874 A	September 17, 1999		013	G06F009/06
US 6345308 B1	February 5, 2002		000	G06F015/177

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 11249874A	February 27, 1998	1998JP-0047288	
US 6345308B1	February 26, 1999	1999US-0257937	

INT-CL (IPC): G06 F 9/06; G06 F 9/445; G06 F 12/00; G06 F 13/00;  
G06 F 15/00; G06 F 15/16; G06 F 15/177

ABSTRACTED-PUB-NO: JP 11249874A

## BASIC-ABSTRACT:

NOVELTY - The synchronous processor (24) of a network computer (12) for mobile application performs the synchronous process of a predetermined resource between a server computer (11) and a local memory device (23). DETAILED DESCRIPTION - The duplication of the synchronous objective resource designated by a synchronous list, is performed on the server computer. The local memory device of the network computer stores the reproduction of the synchronous list. The content of the synchronous process is determined using the synchronous list on the server computer. INDEPENDENT CLAIMS are also included for the following: a synchronous processing method; and a recording medium.

**WEST**

Generate Collection

Print

L18: Entry 11 of 12

File: DWPI

Sep 2, 2003

DERWENT-ACC-NO: 2000-456068  
DERWENT-WEEK: 200358  
COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Application program distribution procedure for personal digital assistant, involves investigating application program list and access control list to select and approve application program used by client

INVENTOR: HUANG, Y; JOHNSON, R D ; POLLAK, R A ; PONZO, J J

PATENT-ASSIGNEE: INT BUSINESS MACHINES CORP (IBMC), IBM CORP (IBMC)

PRIORITY-DATA: 1998US-0199353 (November 25, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 3443057 B2	September 2, 2003		013	G06F009/445
JP 2000163269 A	June 16, 2000		013	G06F009/445
GB 2346716 A	August 16, 2000		000	G06F009/445
CN 1254892 A	May 31, 2000		000	G06F017/00
KR 2000035005 A	June 26, 2000		000	G06F017/40
TW 449697 A	August 11, 2001		000	G06F013/14
US 6553375 B1	April 22, 2003		000	G06F017/00
KR 361393 B	November 21, 2002		000	G06F017/40
GB 2346716 B	July 9, 2003		000	G06F009/445

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 3443057B2	November 25, 1999	1999JP-0333666	
JP 3443057B2		JP2000163269	Previous Publ.
JP2000163269A	November 25, 1999	1999JP-0333666	
GB 2346716A	November 1, 1999	1999GB-0025758	
CN 1254892A	October 29, 1999	1999CN-0123613	
KR2000035005A	October 14, 1999	1999KR-0044500	
TW 449697A	October 11, 1999	1999TW-0117525	
US 6553375B1	November 25, 1998	1998US-0199353	
KR 361393B	October 14, 1999	1999KR-0044500	
KR 361393B		KR2000035005	Previous Publ.
GB 2346716B	November 1, 1999	1999GB-0025758	

INT-CL (IPC): G06 F 1/00; G06 F 2/06; G06 F 2/445; G06 F 13/00; G06 F 13/14; G06 F 15/177; G06 F 17/00; G06 F 17/30; G06 F 17/40

ABSTRACTED-PUB-NO: JP2000163269A  
BASIC-ABSTRACT:

NOVELTY - An application program is selected from a list stored in a portable apparatus and then forwarded to a server (107). The server has an access control list in which the application program are down loaded. The application program list and access control list are investigated to select application programs for clients (101,102). The selected application program are approved and used by clients.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) application program distribution apparatus;
- (b) program for distributing application program from a server to a client

USE - For distributing application program to portable apparatus such as personal digital assistant, etc.

ADVANTAGE - By investigating application program list and access control list, application programs are selected and distributed to the clients efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the portable apparatus management system.

Clients 101,102

Server 107

ABSTRACTED-PUB-NO: JP2000163269A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/7

DERWENT-CLASS: T01  
EPI-CODES: T01-F05B;

**WEST**

Generate Collection

Print

L18: Entry 4 of 12

File: DWPI

Sep 27, 2002

DERWENT-ACC-NO: 2003-050599  
DERWENT-WEEK: 200305  
COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Network communication system for portable terminal e.g. mobile telephone, distinguishes application programs that are capable of being downloaded by terminal and displays distinguished programs

## PATENT-ASSIGNEE:

ASSIGNEE

CODE

KENWOOD CORP

TRIR

PRIORITY-DATA: 2001JP-0076328 (March 16, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002278767 A	September 27, 2002		016	G06F009/445

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2002278767A	March 16, 2001	2001JP-0076328	

INT-CL (IPC): G06 F 9/445; G06 F 13/00; H04 B 7/26; H04 M 1/00; H04 M 1/725; H04 M 3/42; H04 M 11/00; H04 M 11/08

ABSTRACTED-PUB-NO: JP2002278767A

## BASIC-ABSTRACT:

NOVELTY - A server (3) generates an application program list which is transmitted to a portable terminal (2) in response to the transmission request from the terminal. A distinction unit distinguishes the application programs that are capable of being downloaded by the terminal. The distinguished programs are displayed selectively and notified to the server.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Server;
- (2) Portable terminal;
- (3) Communication method; and

(4) Communication program.

USE - Network communication system for portable terminals such as mobile telephone, personal handyphone system, etc.

ADVANTAGE - The amount of information which is communicated, is reduced by distinguishing the application programs.

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory view of the network communication system.

Portable terminal 2

Server 3

CHOSEN-DRAWING: Dwg.1/9

TITLE-TERMS: NETWORK COMMUNICATE SYSTEM PORTABLE TERMINAL MOBILE  
TELEPHONE DISTINGUISH APPLY PROGRAM CAPABLE TERMINAL DISPLAY  
DISTINGUISH PROGRAM

DERWENT-CLASS: T01 W01 W02

EPI-CODES: T01-F01B; T01-F05B; T01-H; W01-C01; W01-C01D1; W01-C02B;  
W01-C05; W01-C05B5; W02-C03C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2003-039932